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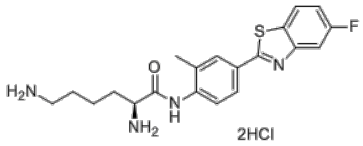
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Phortress
Cat. No.	:	PC-60777
CAS No.	:	328087-38-3
Molecular Formula	:	$C_{20}H_{25}Cl_2FN_4OS$
Molecular Weight	:	459.405
Target	:	Aryl hydrocarbon Receptor (AhR)
Solubility	:	10 mM in DMSO



Biological Activity

Phortress (NSC710305) is the L-lysylamide prodrug of 5F-203 (NSC703786), a potent, selective antitumour agent through activation the **aryl hydrocarbon receptor (AhR)** pathway.
Phortress (NSC710305) causes MCF-7 sensitive cells to arrest in G(1) and S phase, and induces DNA adduct formation, in contrast to AhR-deficient AH(R100) variant MCF-7 cells.
Phortress (NSC710305) induces CYP1A1 and CYP1B1 transcription; demonstrats antitumor activity in vivo.

References

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Gilbert J, et al. ***Mol Pharmacol.*** 2017 Dec 21. pii: mol.117.109827.

Trapani V, et al. ***Br J Cancer.*** 2003 Feb 24;88(4):599-605.

Leong CO, et al. ***Br J Cancer.*** 2003 Feb 10;88(3):470-7.

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